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Pat. No. 06004692 - 7

Group ID: A User ID: Faalexa KS: 9,137

Page 1

Issue Date: 08/30/04

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Warning [Blue Slip Sub Class Versus Sub Class:]

has SubClass from Blue Slip that does not match SubClass from Jacket

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has SubClass from Blue Slip that does not match SubClass from Jacket

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Repint

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Group ID: A

Page 1 Issue Date: 08/30/04 User ID: Faalexa

CHECK LIST

Rule 47 Continuing Data PCT Disclaimer

No Yes No No

Microfiche Appendix CPA tag

No No

Foreign Priority Claimed: No

Acknowledged: No

State Code: WA Country Code:

Text Endorsement: 09724777.122800

**JACKET** 

SERIAL NUMBER FILING DATE CLASS SUBCLASS GAU

09/724,777 11/28/00 345 700 2173

FOREIGN PRIORITY

Country Document Number Date

DISCLAIMER

/ /

TITLE

Requesting computer user+3 s context data

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First: Middle: Last:

Tadesse Hailu

PRIMARY EXAMINER:

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Ba Huynh

CLAIMS ALLOWED

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Issue Date: 08/30/04

Group ID: A

User ID: Faalexa

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Total Print

132 1

**DRAWINGS** 

Sheets Figures Print

24 28 Y

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BLUE SLIP INFORMATION

SERIAL NUMBER CLASS SUBCLASS GAU

09/724,777 345 740 2173

INDEP. CLAIMS TOTAL CLAIMS

1,9,72,73,74,75,76,78,79,82,83,99,100,101,102,116,117,118,131,132132

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

G09G 5/00

CROSS-REFERENCES

 Class
 SubClass

 709
 213;223

 707
 10;200

 719
 318;311

 345
 744;736

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TERM EXTENSION

577

FIELD OF SEARCH

Class SubClass

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345 700;708;714;717;733-748

709 200-203;213;217;219;223;224-229

707 10;200;102;104.1

719 311-318

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PCT INFO CONTINUING DATA (Page 1) LINE CODE SERIAL NUMBER FILING DATE STATUS DOCUMENT NO. ISSUE DATE 104 72 09/216,193 12/18/1998 / / 105 75 09/464,659 12/15/1999 106 68 60/193,998 04/02/2000 107 68 60/193,999 04/02/2000 REFERENCES (Page 1) SERIAL NUMBER: 09/724,777 FORM 892 U.S. REFERENCES U.S. Pat No. Date Patentee Class SubClass FOREIGN REFERENCES Foreign Doc No. Date Country Class SubClass OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.) Joachim Biskup et al, +37 Towards Secure Mediation, +38 +0 Oct. 1998. Andy Harter and Andy Hopper, A Distributed Location System for the Active Office, Nov. 1993. Yannis Papakonstantinou, Hector Garcia-Molina, Jeffrey Ullman, +37 MedMaker: A Mediation System Based on Declarative. Specifications, +38 +0 (1995).

Schmidt et al, +37 There is more to Context than Location, +38 +0 Nov. 1998.

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REFERENCES	(Page	2)	SERIAL	NUMBER:	09/724,777
FORM 1449			<u> </u>		

### U.S. REFERENCES

Date Patentee U.S. Pat No.

Class SubClass

### FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

### OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

U.S. Appl. No. 09/724,799, filed Nov. 28, 2000, Abbott et al.

U.S. Appl. No. 09/724,892, filed Nov. 28, 2000, Abbott et al.

\_\_\_\_\_\_\_\_

U.S. Appl. No. 09/724,893, filed Nov. 28, 2000, Abbott et al.

U.S. Appl. No. 09/724,894, filed Nov. 28, 2000, Abbott et al.

U.S. Appl. No. 09/724,902, filed Nov. 28, 2000, Abbott et al.

U.S. Appl. No. 09/724,949, filed Nov. 28, 2000, Abbott et al.

U.S. Appl. No. 09/724,932, filed Nov. 28, 2000, Abbott et al.

\_\_\_\_\_\_

# REFERENCES (Page 3) SERIAL NUMBER: 09/724,777

FORM 1449

Ţ	U.S. REFERENCES U.S. Pat No.	Date	Patentee	Class	SubClass
	4,916,441	04/1990	Gombrich		
	5,032,083	07/1991	Friedman		
	5,201,034	04/1993	Matsuura et al.		
	5,208,449	05/1993	Eastman et al.		
	5,214,757	05/1993	Mauney et al.		

Page 5

5,227,614	07/1993	Danielson et al.
5,335,276	08/1994	Thompson et al.
5,416,730	05/1995	Lookofsky
5,470,233	11/1995	Fruchterman et al.
5,493,692	02/1996	Theimer et al.
5,544,321	08/1996	Theimer et al.
5,555,376	09/1996	Theimer et al.
5,559,520	09/1996	Barzegar et al.
5,568,645	10/1996	Morris et al.
5,601,435	02/1997	Quy
5,603,054	02/1997	Theimer et al.
5,611,050	03/1997	Theimer et al.
5,642,303	06/1997	Small et al.
5,646,629	07/1997	Loomis et al.
5,719,744	02/1998	Jenkins et al.
5,726,660	03/1998	Purdy et al.
5,751,260	05/1998	Nappi et al.
5,781,913	07/1998	Felsenstein et al.
5,790,974	08/1998	Tognazzini
5,798,733	08/1998	Ethridge
5,812,865	09/1998	Theimer et al.
5,873,070	02/1999	Bunte et al.
5,878,274	03/1999	Kono et al.
5,902,347	05/1999	Backman et al.
5,910,799	06/1999	Carpenter et al.

5,938,721 08/1999 Dussell et al.

Pat. No. 06004692 - 7 Group ID: A Page 7

Issue Date: 08/30/04 User ID: Faalexa

5,948,041 09/1999 Abo et al.

5,959,611 09/1999 Smailagic et al.

5,991,687 11/1999 Hale et al.

\*6,014,638 01/2000 Burge et al.

No issue date available.

\*6,047,301 04/2000 Bjorklund et al.

No issue date available.

\*6,064,943 05/2000 Clark, Jr. et al.

No issue date available.

\*6,108,197 08/2000 Janik

No issue date available.

\*6,127,990 10/2000 Zwern

No issue date available.

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 4) SERIAL NUMBER: 09/724,777

FORM 1449

U.S. REFERENCES

U.S. Pat No. Date Patentee Class SubClass

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

+37 +0 +1 Affective Understanding:+2 +0 Modeling and Responding to

User Affect, +38 +0 http://www.media.mit.edu/affect/AC+hd +13 +1

research/understanding.html, pp. 1-3 +8 Accessed Oct. 2, 1998+9 .

+37 Alps GlidePoint, +38 +0 http://www.alps.com/p17.html, p. 1 +8

Accessed Oct. 2, 1998+9 .

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Pat. No. 06004692 - 7 Issue Date: 08/30/04 Group ID: A
User ID: Faalexa

+37 GyroPoint Technology, +38 +0 http://www.gyration.com/html/gyropoint.html, pp. 1-3 +8 Accessed Oct. 2, 1998+9 . +37 Haptics, +38 +0 http://www.ai.mit.edu/projects/handarm-haptics/haptics.html, pp. 1-2 +8 Accessed Oct. 2, 1998+9 . +37 Research Areas in Affective Computing, +38 +0 http://www.media.mit.edu/affect/, p. 1 +8 Accessed Oct. 2, 1998+9 . +37 Research on Affective Pattern Recognition and Modeling, +38 +0 http://www.media.mit.edu/affect/AC+hd +13 +1 research/recognizing.html, pp. 1-4 +8 Accessed Oct. 2, 1998+9. +37 Research on Sensing Human Affect, +38 +0 http://www.media.mit.edu/affect/AC+hd +13 +l research/sensing.html, pp. 1-5 +8 Accessed Oct. 2, 1998+9 . +37 Smart Rooms, +38 +0 http://vismod.www.media.mit.edu/vismod/demos/smartroom/, pp. 1-3 +8 Accessed Oct. 2, 1998+9 . +37 SmartDesk Home Page, +38 +0 http://vismod.www.media.mit.edu/vismod/demos/smartdesk/, pp. 1-4 +8 Accessed Oct. 2, 1998+9 . +37 The MIT Wearable Computing Web Page, +38 +0 http://wearables.www.media.mit.edu/projects/wearables/, pp. 1-3 +8

Accessed Oct. 2, 1998+9 .

+37 Wearable Computer Systems for Affective Computing, +38 +0 http://www.media.mit.edu/affect/AC+hd +13 +1 research/wearables.html, pp. 1-5 +8 Accessed Oct. 2, 1998+9 .

Aoki, Hisashi et al., +37 Realtime Personal Positioning System for a Wearable Computer, +38 +0 3+hu rd +l International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Bauer et al., +37 A Collaborative Wearable System with Remote Sensing, +38 +0 University of Oregon, Feb. 1996.

Billinghurst, Mark and Thad Starner, +37 New Ways to Manage Information, +38 +0 +i IEEE+l , pp. 57-64, Jan. 1999.

Bowskill, J. et al., +37 Wearable Location Mediated Telecommunications; A First Step Towards Contextual Communication, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Dey, Anind K. et al., +37 The Conference Assistant: Combining Context-Awareness with Wearable Computing, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Finger et al., +37 Rapid Design and Manufacture of Wearable Computers, +38 +0 Communication of the ACM, vol. 39, No. 2, Feb. 1996, pp. 63-68.

Golding, Andrew and Neal Lesh, +37 Indoor Navigation Using a Diverse

Set of Cheap, Wearable Sensors, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Hull et al., +37 Towards Situated Computing, +38 +0 Hewlett-Packard Laboratories, HPL-97-66 (1997).

Kirsch, Dana, +37 The Sentic Mouse: A tool for measuring emotional valence, +38 +0 http://www.media.mit.edu/affect/AC+hd +13 +l research/projects/sentic+hd +13 +1 mouse.html, pp. 1-2 +8 Accessed Oct. 2, 1998+9 .

Kortuem et al., +37 Context-Aware, Adaptive Wearable Computers as Remote Interfaces to +1 Intelligent+2 +0 Environments, +38 +0 University of Oregon, Oct. 1998.

Kortuem, Gerd, +37 When Cyborgs Meet: Building Communities of Cooperating Wearable Agents, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

\_\_\_\_\_\_\_

## REFERENCES (Page 5) SERIAL NUMBER: 09/724,777 FORM 1449

# U.S. REFERENCES

U.S. Pat No. Date Patentee Class SubClass

#### FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Lashkari, Yezdi et al., +37 Collaborative Interface Agents, +38 +0 Proceedings of AAAI +3 94 Conference, Seattle, Washington, Aug. 1994.

Lehikoinen, Juha et al., +37 MEX: A Distributed Software Architecture for Wearable Computers, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Leonhardi, Alexander et al., Virtual Information Towers+13 A Metaphor for Intuitive, Location-Aware Information Access in a Mobile Environment, 3+hu rd +l International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Lunt, Teresa F. et al., +37 Knowledge-Based Intrusion Detection, +38 +0 Proceedings of the Annual Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press, vol. Conf. 4, 1989, pp. 102-107.

Maes, Pattie, +37 Agents That Reduce Work and Information Overload, +38

+0 Communications of the ACM, vol. 37, No. 7, Jul. 1994.

Mann, Steve, +37 +1 Smart Clothing+2: Wearable Multimedia Computing and +1 Personal Imaging+2 +0 to Restore the Technological Balance Between People and Their Environments+38, ACM Multimedia, Nov. 1996, pp. 163-174.

Metz, Cade, +37 MIT: Wearable PCs, Electronic Ink, and Smart Rooms, +38 +0 +i PC Magazine+l , pp. 192-193, Jun. 1998.

Oakes, Chris, +37 The Truman Show Realized+48 ,+38 +0

Page 12

http://www.wired.com/news/news/technology/story/15745.html, pp. 1-4 +8 Accessed Oct. 21, 1998+9 .

Picard, R.W. and Healey, J., +37 Affective Wearables, +38 +0 Personal Technologies vol. 1: 231-240, MIT Media Laboratory (1997).

Rekimoto et al., +37 The World through the Computer: Computer

Augmented Interaction with Real World Environments, +38 +0 ACM, Nov.

1995, pp. 29-36.

1997.

Rhodes, Bradley, +37 WIMP Interface Considered Fatal, +38 +0 http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html, pp. 1-3 +8 Accessed Oct. 2, 1998+9 .

Rhodes, Bradley, J. +37 The Wearable Remembrance Agent: A System for

Augmented Memory, +38 +0 Proceedings of the First International Symposium on Wearable Computers (ISWC +3 97), Cambridge, MA, Oct. 13-14, 1997.

Sato, J. et al., +37 Autonomous Behavior Control of Virtual Actors Based on the AIR Model, +38 +0 Proceedings Computer Animation, Jun. 5,

Schneider, Jay and Jim Suruda, +37 Modeling Wearable Negotiation in an Opportunistic Task Oriented Domain, +38 +0 3+hu rd +l International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Smailagic et al., +37 Matching interface design with user task:

Page 13

Modalities of Interaction with CMU Wearable Computers, +38 +0 IEEE Personal Cummunications, Feb. 1996, pp. 14-25.

Smailagic, Asim et al., +37 MoCCA: A Mobile Communication and Computing Architecture, +38 +0 3+hu rd +1 International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

Starner et al., +37 Visual Contextual Awareness in Wearable Computing, +38 +0 Media Lab, MIT, Oct. 1998.

Tan, Hong Z. and Alex Pentland, +37 Tactual Displays for Wearable Computing, +38 +0 +i IEEE+l , Massachusetts Institute of Technology Media Laboratory, pp. 84-88, 1997.

Yang, Jie et al., +37 Smart Sight: A Tourist Assistant System, +38 +0 3+hu rd +l International Symposium on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

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